
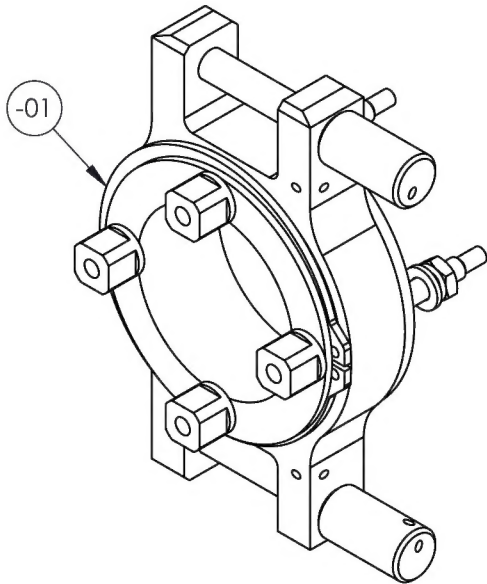



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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		-07 ADDED MISSING DIM .12 X 45°. CH'D DIM WAS .63 IS (.63). -13 ADDED MISSING DIM 1/4-28 UNF - 2B.	6/9/2014	DPD	GE
2	17-0032	DELETED NOTE  SHEET 1. ADDED NOTE 2 & 3 SHEET 1. -03, -05, -07, -13 CH'D MATERIAL WAS 4140 IS 4140/4142. -03, -05, -07, -09. CH'D FINISH WAS CAD PLATE YELLOW IS ZINC PLATE SPEC. ASTM B633 TYPE I SC2. -03 CH'D ENGRAVE NOTE WAS ENGRAVE T/N "RBW6405G02331-3G". S/N, "MADE IN USA" IS ENGRAVE T/N, S/N, "MADE IN USA". -05 DELETED DIM Ø3.248. CH'D ENGRAVE NOTE WAS ENGRAVE T/N "RBW6405G02331-3G-5". IS ENGRAVE P/N. -07 CH'D DIM WAS (Ø.63) MED. DIAMOND KNURL IS Ø.63 MEDIUM KNURL. -09 CH'D DWG. TOLERANCE WAS .XXX ±.005, .XX ±.01 IS .XXX ±.010, .XX ±.03. -11 CH'D B/O INFO WAS 1/4-28 UNF x 3-1/8 MCMASTER-CARR #92580A107 IS 1/4-28 UNF - 2A (MCMASTER-CARR #92580A107) MODIFIED. CH'D DIM WAS 1/4-28 UNF -2A IS (1/4-28 UNF -2A). - 15 CH'D DESCRIPTION WAS JAM NUT IS THIN HEX NUT. -23 CH'D B/O INFO WAS Ø1/16 WIRE MCMASTER-CARR #3896T31 IS Ø1/16 X 3/8 (MCMASTER-CARR #3896T31). -03, -05, -13 ADDED HEAT TREAT RC 28-34	1/26/2017	RJC	SM

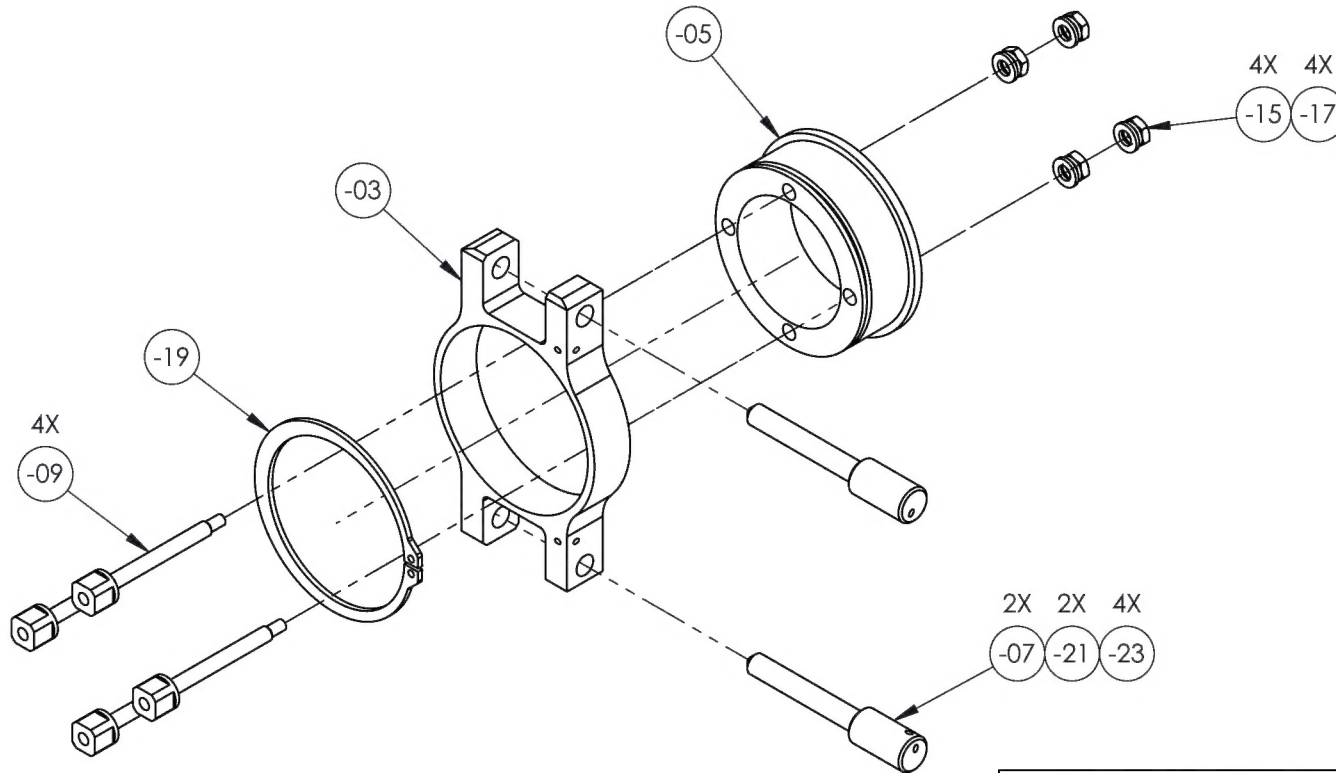


NOTE:
2. REF. AGUSTA T/N 3G6405G02331.
3. PART OF KIT RBW6005G00231-3G.

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.	<div></div>			
	X		-01	1	T/R UPPER CONICAL RING PULLER			2	<div>TITLE</div> <div>T/R UPPER CONICAL RING PULLER</div> <div>DWG NO. RBW6405G02331-3G</div> <div>REV 2</div>			
1			-03		FRAME	4140/4142		3				
1			-05		PULLER	4140/4142		4				
2			-07		PIN	4140/4142		5				
X	4		-09		SCREW WELDMENT			6				
1			-11		ALL THREAD	STEEL, GRADE B7	1/4-28 UNF -2A (MCMASTER-CARR #92580A107) MODIFIED	7	MAT'L		<div>UNLESS OTHERWISE SPECIFIED</div> <div>DIMENSIONS ARE IN INCHES</div> <div>.XXX ± .005 FRACTIONS ± 1/8</div> <div>.XX ± .01 ANGLES ± 5°</div> <div>.X ± .1 SURFACES = 125° ✓</div> <div>1. BREAK ALL SHARP EDGES</div> <div>.015 x 45° OR .015R</div> <div>2. DIMENSIONAL LIMITS APPLY</div> <div>AFTER PLATING</div> <div>3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009</div> <div>USED ON MODEL</div> <div>AW139</div>	
1			-13		HEAD	4140/4142		8	HEAT TREAT			
	4	B/O	-15		THIN HEX NUT	STEEL	AN316-4	2	FINISH			
	4	B/O	-17		WASHER	STEEL	AN960-416	2	SPEC			
1		B/O	-19		EXTERNAL RETAINING RING	STEEL	3-1/4 SHAFT (MCMASTER-CARR #97633A483)	2	DRAWN BY: CLOUGH			
	2	B/O	-21		LANYARD CABLE	COATED STEEL	Ø1/16 X 8 (CARR LANE #CL-2-C)	2	CHECKED: DUERFELDT			
									OPPS APPR: ANDERSON			
	4	B/O	-23		FERRULE	ALUMINUM	Ø1/16 X 3/8 (MCMASTER-CARR #3896T31)	2	QA APPR: LINDSAY			
									APPROVED: MACKOVJAK			
ASSY -09	ASSY -01								SCALE 1:2		DATE 3/25/2010	
									SHEET 1 OF 9			

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



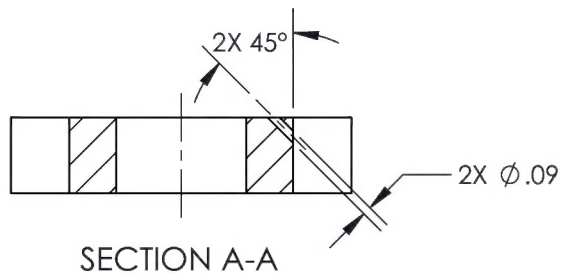
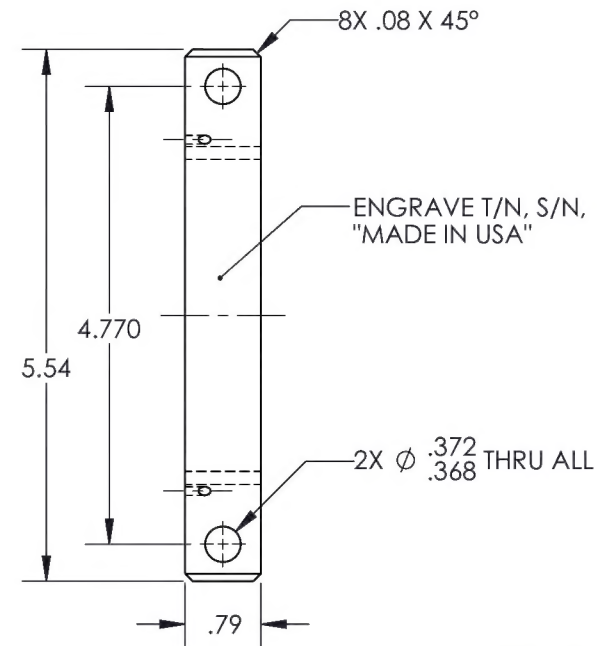
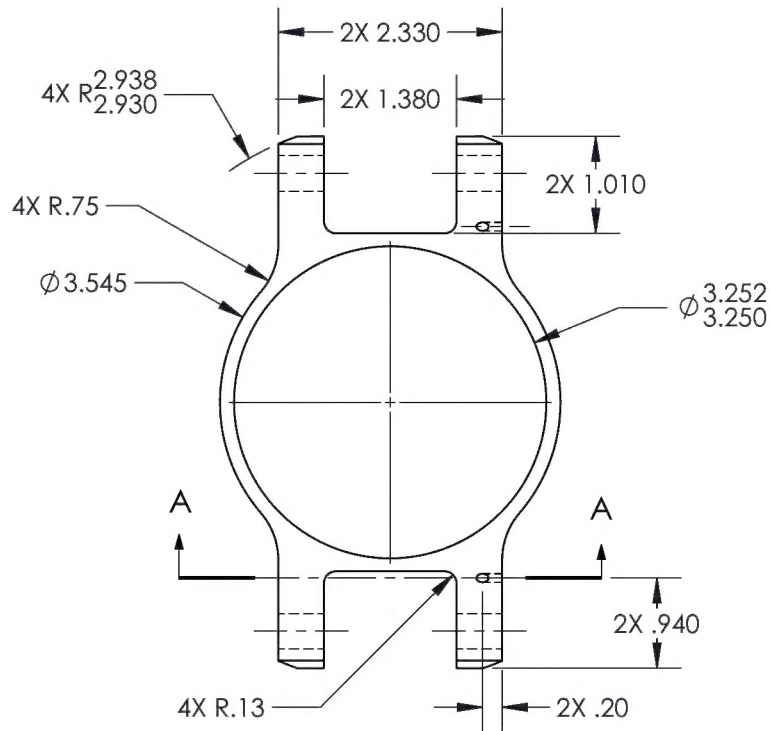
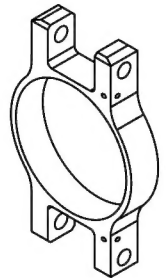
(01)

T/R UPPER CONICAL RING PULLER

DART AEROSPACE	
TITLE T/R UPPER CONICAL RING PULLER	
DWG NO. RBW6405G02331-3G-01	REV 2
MAT'L STEEL	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TREAT PHOS	.XXX ± .005 FRACTIONS ± 1/8
FINISH BLK	.XX ± .01 ANGLES ± .5°
SPEC	.X ± .1 SURFACES = 125°
DRAWN BY: CLOUGH	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: DUERFELDT	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: MACKOVJAK	AW139
SCALE 1:3	DATE 3/25/2010
SHEET 2 OF 9	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	17-0032	-03 CH'D ENGRAVE NOTE WAS ENGRAVE T/N "RBW6405G02331-3G", S/N, "MADE IN USA" IS ENGRAVE T/N, S/N, "MADE IN USA". CH'D MATERIAL WAS 4140 IS 4140/4142. CH'D FINISH WAS CAD PLATE YELLOW IS ZINC PLATE SPEC. ASTM B633 TYPE I SC2. ADDED HEAT TREAT RC 28-34.	1/26/2017	RJC	SM

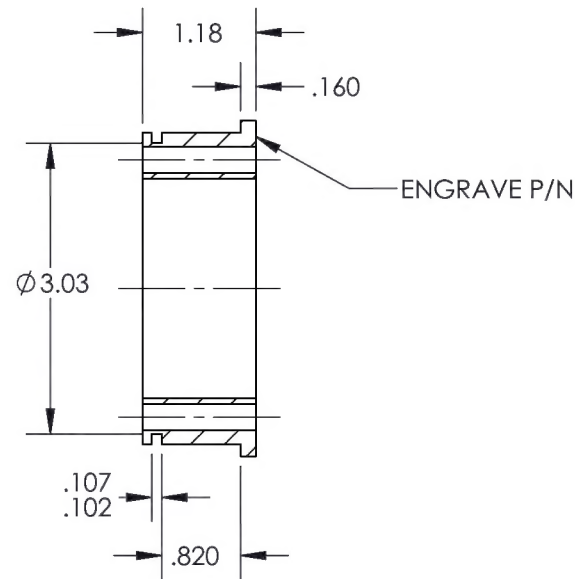
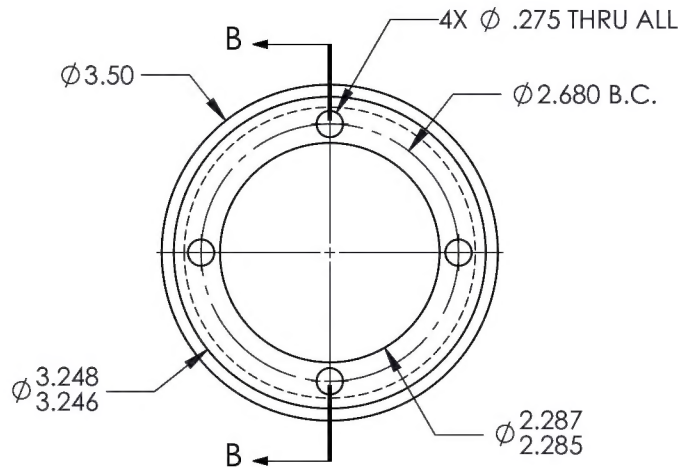
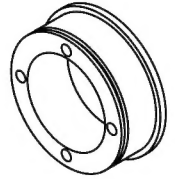


(-03)
FRAME

DART AEROSPACE	
TITLE T/R UPPER CONICAL RING PULLER	
DWG NO. RBW6405G02331-3G-03	REV 2
MAT'L 4140/4142	UNLESS OTHERWISE SPECIFIED
HEAT TREAT RC 28-34	DIMENSIONS ARE IN INCHES
FINISH ZINC PLATE	.XXX ± .005 FRACTIONS ± 1/8
SPEC ASTM B633 TYPE I SC 2	.XX ± .01 ANGLES ± .5°
DRAWN BY: CLOUGH	.X ± .1 SURFACES = 125°
CHECKED: DUERFELDT	1. BREAK ALL SHARP EDGES
OPPS APPR: ANDERSON	.015 x 45° OR .015R
QA APPR: LINDSAY	2. DIMENSIONAL LIMITS APPLY
APPROVED: MACKOVJAK	AFTER PLATING
SCALE 1:2	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
DATE 3/25/2010	USED ON MODEL
	AW139
	SHEET 3 OF 9

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	17-0032	-05 DELETED DIM Ø3.248. CH'D ENGRAVE NOTE WAS ENGRAVE T/N "RBW6405G02331-3G-5", IS ENGRAVE P/N. CH'D MATERIAL WAS 4140 IS 4140/4142. CH'D FINISH WAS CAD PLATE YELLOW IS ZINC PLATE SPEC. ASTM B633 TYPE I SC2. ADDED HEAT TREAT RC 28-34.	1/26/2017	RJC	SM



SECTION B-B

(-05)

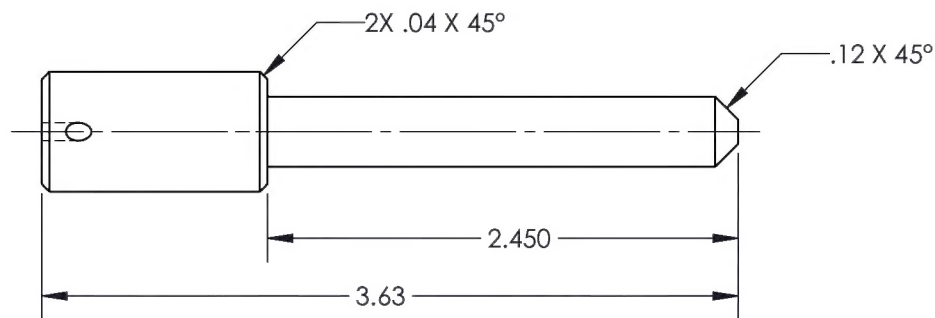
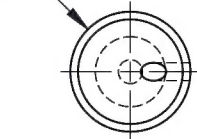
PULLER

DART AEROSPACE	
TITLE T/R UPPER CONICAL RING PULLER	
DWG NO. RBW6405G02331-3G-05	REV 2
MAT'L 4140/4142	UNLESS OTHERWISE SPECIFIED
HEAT TREAT RC 28-34	DIMENSIONS ARE IN INCHES
FINISH ZINC PLATE	.XXX ± .005 FRACTIONS ± 1/8
SPEC ASTM B633 TYPE I SC 2	.XX ± .01 ANGLES ± 5°
DRAWN BY: CLOUGH	.X ± .1 SURFACES = 125✓
CHECKED: DUERFELDT	1. BREAK ALL SHARP EDGES
OPPS APPR: ANDERSON	.015 x 45° OR .015R
QA APPR: LINDSAY	2. DIMENSIONAL LIMITS APPLY
APPROVED: MACKOVJAK	AFTER PLATING
SCALE 1:2	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
DATE 3/25/2010	USED ON MODEL
	AW139
	SHEET 4 OF 9

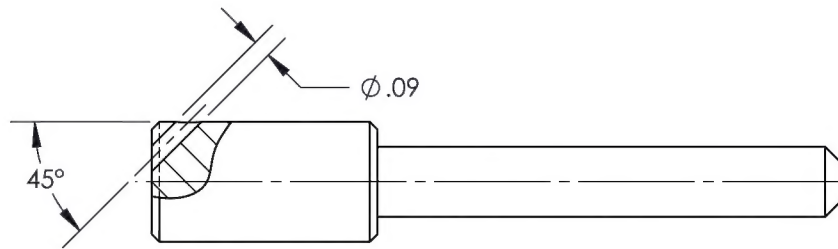
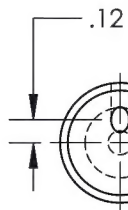
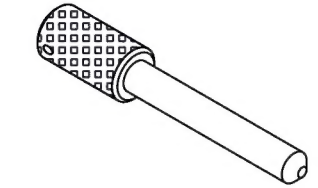
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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
A		-07 ADDED MISSING DIM .12 X 45°. CH'D DIM WAS .63 IS (.63).	6/9/2014	DPD	GE
2	17-0032	-07 CH'D DIM WAS (Ø.63) MED. DIAMOND KNURL IS Ø.63 MEDIUM KNURL. CH'D MATERIAL WAS 4140 IS 4140/4142. CH'D FINISH WAS CAD PLATE YELLOW IS ZINC PLATE SPEC. ASTM B633 TYPE I SC2.	1/26/2017	RJC	SM

Ø.63
MEDIUM
KNURL



Ø.367
Ø.363



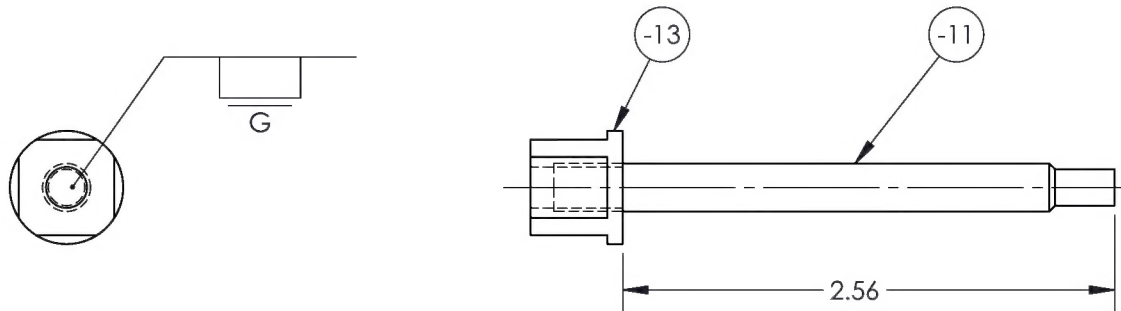
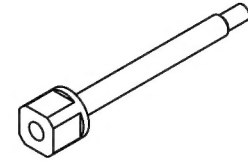
(-07)

PIN

DART AEROSPACE	
TITLE T/R UPPER CONICAL RING PULLER	
DWG NO. RBW6405G02331-3G-07	REV 2
MAT'L 4140/4142	UNLESS OTHERWISE SPECIFIED
HEAT RC 28-36	DIMENSIONS ARE IN INCHES
TREAT	.XXX ± .005 FRACTIONS ± 1/8
FINISH ZINC PLATE	.XX ± .01 ANGLES ± .5°
SPEC ASTM B633 TYPE I SC 2	.X ± .1 SURFACES = 125
DRAWN BY: CLOUGH	1. BREAK ALL SHARP EDGES
CHECKED: DUERFELDT	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: MACKOVJAK	3. INTERPRET DIM AND TOL PER
SCALE 1:1	ASME Y14.5M-2009
DATE 3/25/2010	USED ON MODEL
	AW139
	SHEET 5 OF 9

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	17-0032	-09 CH'D FINISH WAS CAD PLATE YELLOW IS ZINC PLATE SPEC. ASTM B633 TYPE I SC2. CH'D DWG. TOLERANCE WAS .XXX ±.005, .XX ±.01 IS .XXX ±.010, .XX ±.03.	1/26/2017	RJC	SM

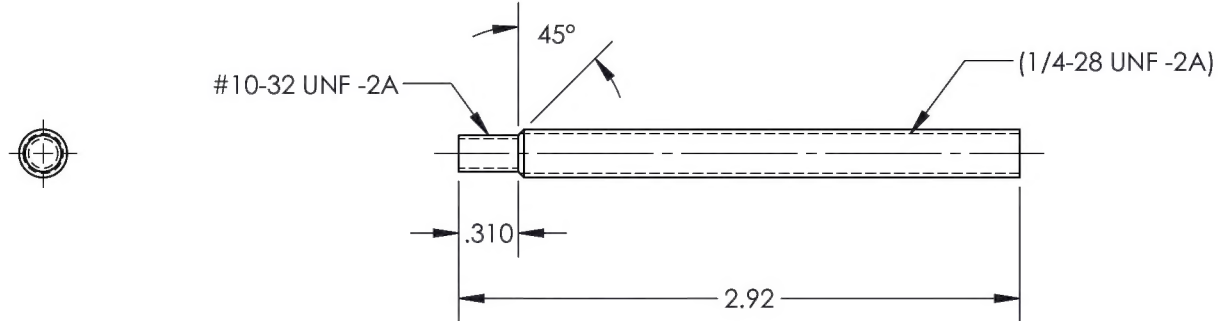
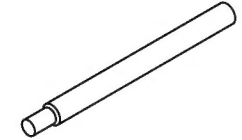


-09
SCREW WELDMENT

DART AEROSPACE	
TITLE T/R UPPER CONICAL RING PULLER	
DWG NO. RBW6405G02331-3G-09	REV 2
MAT'L ASTM B633 TYPE I SC 2	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .010 FRACTIONS ± 1/8 .XX ± .03 ANGLES ± 1° .X ± .1 SURFACES = 125°
HEAT TREAT ZINC PLATE	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
SPEC ASTM B633 TYPE I SC 2	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
DRAWN BY: CLOUGH	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
CHECKED: DUERFELDT	
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	USED ON MODEL
APPROVED: MACKOVJAK	AW139
SCALE 1:1	DATE 3/25/2010
SHEET 6 OF 9	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	17-0032	-11 CH'D DIM WAS 1/4-28 UNF -2A IS (1/4-28 UNF -2A).	1/26/2017	RJC	SM

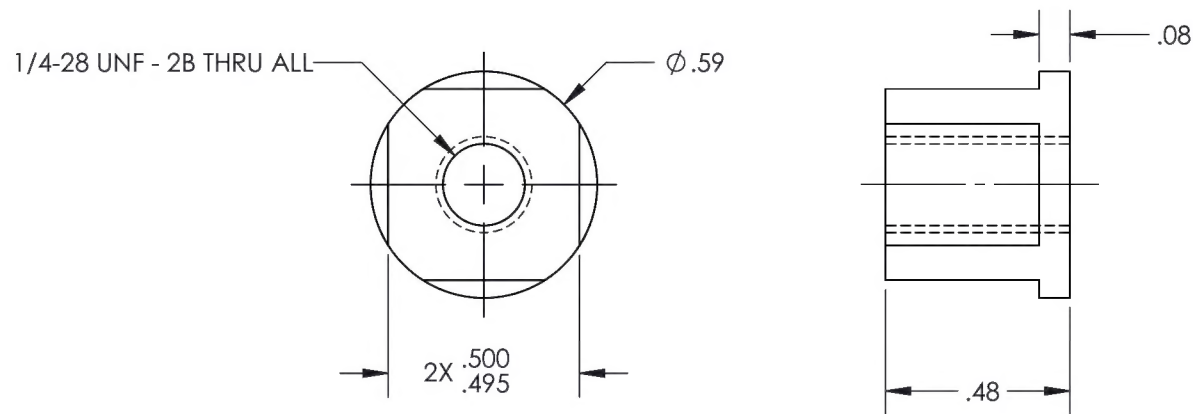
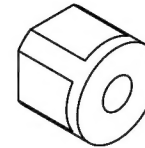


(-11)
ALL THREAD

DART AEROSPACE	
TITLE T/R UPPER CONICAL RING PULLER	
DWG NO. RBW6405G02331-3G-11	REV 2
MAT'L STEEL, GRADE B7	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH SEE -09	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± .5°
	.X ± .1 SURFACES = 125/✓
DRAWN BY: CLOUGH	1. BREAK ALL SHARP EDGES
CHECKED: DUERFELDT	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: MACKOVJAK	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
SCALE 1:1	DATE 3/25/2010
	USED ON MODEL
	AW139
	SHEET 7 OF 9

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
A		-13 ADDED MISSING DIM 1/4-28 UNF -2B.	6/9/2014	DPD	GE
2	17-0032	-13 CH'D MATERIAL WAS 4140 IS 4140/4142. ADDED HEAT TREAT RC 28-34	1/26/2017	RJC	SM

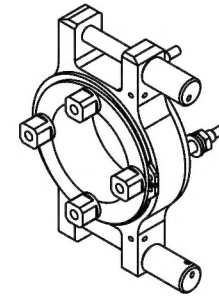
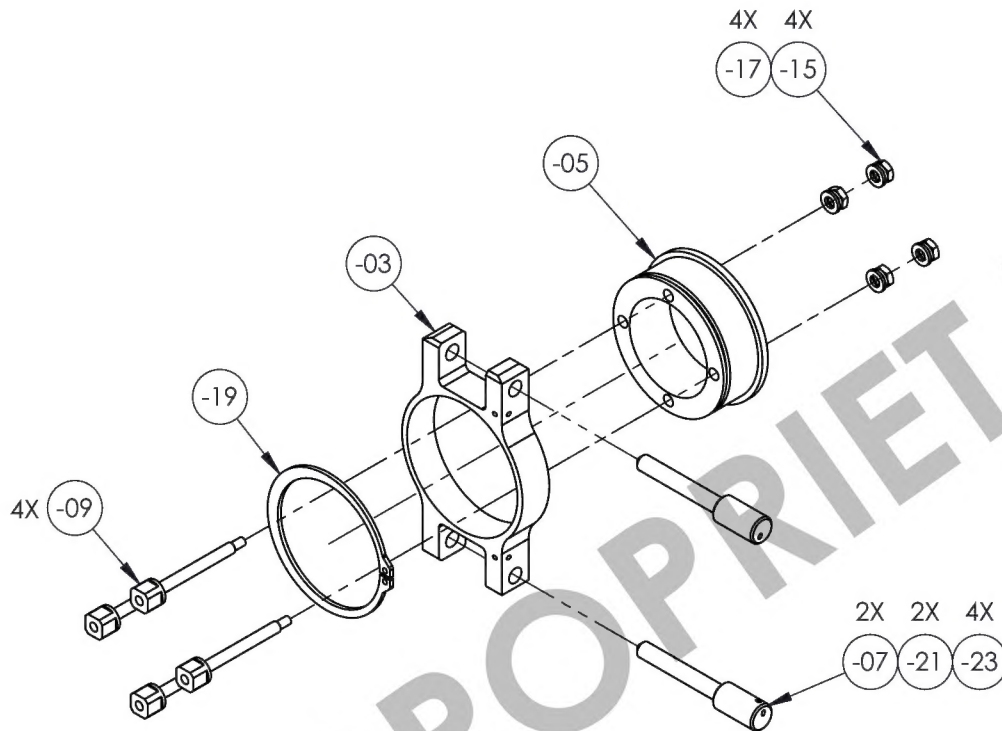


(-13)

HEAD

DART AEROSPACE	
TITLE T/R UPPER CONICAL RING PULLER	
DWG NO. RBW6405G02331-3G-13	REV 2
MAT'L 4140/4142	UNLESS OTHERWISE SPECIFIED
HEAT TREAT RC 28-34	DIMENSIONS ARE IN INCHES
FINISH SEE -09	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± .5°
	.X ± .1 SURFACES = 125° ✓
DRAWN BY: CLOUGH	1. BREAK ALL SHARP EDGES
CHECKED: DUERFELDT	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: MACKOVJAK	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
SCALE 2:1	DATE 3/25/2010
	USED ON MODEL
	AW139
	SHEET 8 OF 9

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Part #	UNIT QTY	Description	Material
-03	1	FRAME	4140/4142
-05	1	PULLER	4140/4142
-07	2	PIN	4140/4142
-09	4	SCREW WELDMENT	
-15	4	THIN HEX NUT	STEEL
-17	4	WASHER	STEEL
-19	1	EXTERNAL RETAINING RING	STEEL
-21	2	LANYARD CABLE	COATED STEEL
-23	4	FERRULE	ALUMINUM



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e-mail: sales@dartaero.com
dartaerospace.com

TITLE
T/R UPPER CONICAL RING PULLER

DWG NO. RBW6405G02331-3G	REV 2	CUSTOMER 1 OF 1
SCALE 1:2	DATE 3/25/2010	SHEET 9 OF 9